



## SEQUENCE LISTING

10> Rosen, Steven  
Lee, Jin Kyu  
Hemmerich, Stefan

## <120> Novel Glycosyl Sulfotransferases GST-4alpha, GST-4beta, & GST-6

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Ser Lys Gln Asp Val Cys Lys Thr Leu Cys Thr Arg Gln Pro Phe Ser		
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Val Arg Phe Phe Asn Leu Gln Val Leu Tyr Pro Leu Leu Ser Asp Pro		
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Ala Thr Leu Lys Pro Pro Pro Phe Leu Arg Gly Arg Tyr Arg Leu Val		
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Arg Phe Glu Asp Leu Ala Arg Glu Pro Leu Ala Glu Ile Arg Ala Leu		
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Tyr Ala Phe Thr Gly Leu Thr Leu Thr Pro Gln Leu Glu Ala Trp Ile		
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His Asn Ile Thr His Gly Ser Gly Ile Gly Lys Pro Ile Glu Ala Phe		
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Ala Leu Gln Leu Leu Gly Tyr Arg Pro Val Tyr Ser Ala Asp Gln Gln		
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Gln Glu Ala Glu Gln Ala Ala Glu Phe Lys Lys Arg Trp Thr Gln Phe			
35	40	45	
Val Asn Val Thr Phe Gln Met Glu Ser Thr Ile Thr Arg Ile Ala Tyr			
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Val Phe Tyr Gly Pro Tyr Ile Asn Val Ser Ser Cys Arg Phe Ile Asp			
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His Val Val Ser Ile Val Thr Asp Tyr His Asn Leu Lys Thr Arg Phe			
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Gly Leu Ile Leu Cys Ile Ser Leu Val Ile Leu Thr Phe Gln Trp Arg			
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Phe Tyr Leu Ser Phe Arg Lys Leu Met Arg Trp Ile Leu Ile Leu Val			
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Glu Trp Lys Val Ser Asp Ile Arg Ser Gly His Phe Arg Leu Leu Arg			
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Gly Trp Leu Gln Ser Leu Val Gln Asp Thr Lys Leu His Leu Gln Asn			
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Met Asn Lys Asp Lys Lys Arg Lys Phe Lys Arg Arg Glu Ser Leu Pro			
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Glu Gln Arg Ser Gln Met Lys Gly Ala Phe Asp Arg Asp Ala Glu Tyr			
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 Lys Ile Trp Val Ile Thr Glu Glu Met Tyr Glu Tyr Ser Lys Val Arg  
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 Val Pro Ser Thr Ala Gln Arg Trp Ser Thr Leu His Thr Glu Tyr Ile  
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 Lys Leu Gly Gly Arg Ala Val Tyr Asp Ile Val His Phe Gln Pro Tyr  
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Asp Phe Lys Leu Asn Arg Arg Leu His Pro Asn Leu Tyr Phe Asp Ala  
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Ile Phe Arg Ala Ile Lys Ser Ala Val Thr Ile Met Leu Ser Asn Pro  
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Ser Tyr Tyr Leu Pro Pro Lys His Ala Glu Phe Ala Ala Lys Trp  
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Asn Glu Ile Tyr Gly Asn Asn Leu Pro Pro Leu Ala Leu Tyr Cys Leu  
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Leu Cys Pro Glu Asp Lys Val Ala Phe Glu Phe Val Met Glu Tyr Met  
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Asp Arg Met Val Ser Tyr Lys Asp Trp Leu Val Glu Asn Ala Pro Gly  
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Asp Glu Val Pro Val Gly His Ser Leu Thr Gly Phe Ala Thr Ala Phe  
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Glu Lys Ile Trp Ile Val Thr Glu Glu Met Tyr Glu Tyr Ser Lys Ile  
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Arg Ser Trp Gly Lys Gln Leu Leu His Asn His Gln Ala Thr Asn Met  
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Met His Phe Trp Phe Tyr Tyr Ala Thr Leu Leu Pro Gly Tyr Gln Arg  
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